

# INDUSTRY 4.0 – THE NEXT LEAP FORWARD IN MANUFACTURING EXCELLENCE

**09 February 2024 | 10:00 AM**  
**For 2.5 hours, Virtual Mode**

**Listen to the  
experts  
from Deloitte**

**CII Institute of Quality, TPM Club India** is organising a session on Industry 4.0 in collaboration with Deloitte as its knowledge partner. This will be an awareness session with case studies, and it will have series of sessions henceforth.

**Industry 4.0** is revolutionizing the way companies manufacture, improve and distribute their products. Manufacturers are integrating new technologies, including Internet of Things (IoT), cloud computing and analytics, and AI and machine learning into the production facilities and operations.

These digital technologies lead to increased automation, predictive maintenance, self-optimization of process improvements and, above all, a new level of efficiencies and responsiveness to customers.

Developing smart factories provides an incredible opportunity for the manufacturing industry to enter the fourth industrial revolution. Analyzing the large amounts of big data collected from sensors on the factory floor ensures real-time visibility of manufacturing assets and can provide tools for performing predictive maintenance in order to minimize equipment downtime.

Industry 4.0 concepts and technologies can be applied across all types of industrial companies, including discrete and process manufacturing, as well as oil and gas, mining and other industrial segments.

## Key objectives and takeaways

Virtual Interactive session which will provide an overview of

- Industry 4.0 and the technologies that are driving Industry 4.0 revolution
- How Industry 4.0 can help significantly improve and deliver sustainable benefits in manufacturing with case studies and examples
- How are organisations adopting and transforming themselves - Approach, key strategies for successful implementation, first steps
- Slides will be shared post the Session.

## Who should attend?

Chief Manufacturing Officer, Plant Head, Manufacturing Personnel (Production / Maintenance / Quality), Digital Transformation Team

## Faculties:

**Mr Shridhar Kamath and Mr Avinash Singh**  
Partners, Deloitte Touche Tohmatsu India LLP.

## Delegate Fee:

**Member fee:** 5,000/-, + 18% GST per person  
**Non-Member fee:** 5,500/-, + 18% GST per person

We request members to take advantage of this session by attending and nominating respective staff. We look forward to your nominations.

## Registration:

[<CLICK HERE>](#) / [<SCAN QR>](#)



**For Registration, please contact:**

**Ms Jayashree Das**

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## Shridhar Kamath



Shridhar has an overall experience of 25 years, with 21 years of consulting experience in organisations across process and discrete industries including metals & mining, industrial manufacturing, machinery building, Chemicals, FMCG, cement, paper, etc. driving large transformation programmes across India, Middle East, South East Asia and Eastern Europe. He has led multiyear programmes on Supply Chain & Manufacturing Excellence, Cost Optimisation and profitability enhancement.

He helps clients transform their operations through adoption of leading practices enabled by digital and exponential technologies & leads Industry 4.0 for manufacturing.

He was a speaker / moderator at multiple CII / FICCI / CISCO / Google/ AWS events on Industry 4.0 and Manufacturing and has conducted knowledge sessions on digital supply chain and Industry 4.0.

### Relevant Experience

- Digital Strategy and roadmap for a Chemicals major covering core operations and Finance and IT functions to support their growth strategy
- Digital Strategy for a metals player in India providing SME support on key business opportunities for digital intervention and selection, prioritization and business case creation of use cases.
- Connected shopfloor design and platform implementation at 3 SBUs of a building materials player covering 15 plants leveraging Deloitte's startup ecosystem
- Creating a world class manufacturing operations by leveraging Industry 4.0 solutions for a dross processing facility
- Detailed diagnostics & recommendations for cost optimisation covering technical efficiency and untapped value at the largest plant of a FMCG player
- PMO support for Industry 4.0 implementation at a global aerosystems company
- SME support for Factory of Tomorrow initiative at a global auto manufacturer
- Connected operations platform development and deployment across multiple clients
- Manufacturing Excellence initiatives leveraging TPM, Six Sigma and Lean across multiple sectors including chemicals, cement, paper, metals and mining, power, heavy engineering, FMCG leading to manufacturing cost optimization, higher throughput, asset sweating, quality improvements and cultural transformation

## Avinash Singh



Avinash is a Partner with over 18+ years of professional experience across Metal, Cement, Chemical, Glass, Textile, Cable, Metal products and FMCG industries. He has been involved in projects in the areas of Operations Excellence, Industry4.0, Supply Chain Transformation, EBIDTA Improvement and Business Process Re-engineering

**Areas of Expertise:** Industry 4.0, Supply chain transformation, Cost Reduction, Operations Excellence Lean, TPM and Six Sigma

### Relevant Experience

- Designed and created a Digital transformation roadmap for a leading Chemical Manufacturer in India
- Led Manufacturing cost reduction program for leading Automotive manufacturer leading to overall cost reduction of 5-6%
- Sales and Operation planning transformation at one of the worlds leading largest non ferrous metal producer using VSM and Lean concepts to reduce waste which led to Inventory reduction by 25-30% ,OTIF improvement by 20-25% and Order to Cash Collection time reduction by 10-15%
- Designed and implemented Asset Optimization framework at one of the worlds leading non ferrous metal producer -Deployed Asset Optimization framework along Process, Enabler & Results dimensions across smelters and power plants to improve efficiencies and re engineer production and maintenance processes by reducing non values adding activities
- Led EBIDTA improvement at a leading cement manufacturer in India leading to Procurement cost reduction of 2-3% and Logistics cost reduction by 5-6%
- Operations Excellence at a leading Beverage major-Designed and assisted TPM implementation across manufacturing locations to improve overall equipment effectiveness of 7 plants and optimize cost
- TPM Excellence Program -For a leading glass container company in India-Cost Savings to the tune of 5% of the total turnover achieved for a leading Glass manufacturer in India in areas of efficiency improvement , equipment breakdown reduction, energy reduction, batch cost reduction, raw material yield improvement , manpower cost reduction, packaging cost reduction and logistics cost reduction using Lean and Six Sigma Concepts Operations Excellence at a leading cable manufacturing company in India-Led improvement in throughput by reducing equipment breakdowns, improving planning process, reducing rejections, changeover time, and cycle time
- Cost Competitiveness through Operational Excellence for a top leading chemical company in India-Designed and implemented operational excellence structure involving all employees at manufacturing plant leading to cost reduction and achieve competitive advantage
- Cost Optimization at a leading textile producer-Identified cost reduction opportunities in procurement spend by 2-3% in areas of Cotton, Yarn , Fabric and Chemicals. Created teams for improving weaving efficiency by 15-20% through speed enhancement , availability improvement and wastage reduction
- Cost Reduction at a leading pharma company-Designed and implemented cost reduction initiative in areas of direct and indirect spend.
- Supply Chain Assessment for a leading FMCG major in Saudi Arabia-Identified significant cost saving and process improvement opportunity in areas of source, plan, make and deliver streams of the supply chain.
- Operations Improvement for leading manufactures of welding electrodes- Throughput improvement of 25% was achieved in manufacturing